

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-22 (canceled)

Claim 23 (original): A device for converting radiant energy into electricity, said device comprising:

a magnetic dipole module having

a cylindrical core, said cylindrical core formed of material transparent to the radiant energy;

a plurality of transparent annular disks, said transparent annular disks formed of material transparent to the radiant energy, each said transparent annular disk having a central opening therethrough;

a plurality of soft ferromagnetic annular disks, each said soft ferromagnetic annular disk having first and second sides coated with a layer of ferromagnetic nanocrystals embedded in a matrix, each said soft ferromagnetic annular disk further having a central opening therethrough, said plurality of soft ferromagnetic annular disks alternatingly stacked with said plurality of transparent annular disks, said cylindrical core extending through said soft ferromagnetic annular disk central openings and said transparent annular disk central openings; and

an electrical coil enclosing at least a portion of said magnetic dipole module.

Claim 24 (original): A device as recited in claim 23 wherein said transparent cylindrical core comprises titanium-doped sapphire.

Claim 25 (original): A device as recited in claim 23 wherein said transparent cylindrical core comprises yttrium aluminum garnet.

Claim 26 (original): A device as recited in claim 23 wherein said magnetic dipole module further includes a cylindrical shell and an end cap for enclosing said cylindrical core, said plurality of transparent annular disks, and said soft ferromagnetic annular disks.

Claim 27 (original): A device as recited in claim 23 wherein at least one of said plurality of transparent annular disks comprises a coating reflective to the radiant energy.

Claim 28 (original): A device as recited in claim 23 wherein a Curie temperature of said soft ferromagnetic annular disks is greater than a Curie temperature of said ferromagnetic nanocrystals.

Claims 29-33 (canceled)

Claim 34 (new): A system for generating electricity, said system comprising:
a magnetic dipole module having a plurality of single-domain magnetic particles disposed
in a matrix;
a laser for irradiating said magnetic dipole module; and
an electrical coil enclosing at least a portion of said magnetic dipole module.

Claim 35 (new): A system as recited in claim 34 further comprising a shutter disposed
between said source of radiant energy and said magnetic dipole module.

Claim 36 (new): A system as recited in claim 34 further comprising an optical fiber
having a first end attached to said source of radiant energy and a second end attached to said
magnetic dipole module.